

**IN THE CLAIMS**

Please substitute the following amended claims for the pending claims with the same numbers in the above-identified application.

Claims 1-27 (cancelled)

Claim 28 (original): A niobium powder having a carbon content of from about 40 ppm to about 200 ppm and a iron, nickel, and chromium content of from about 5 ppm to about 200 ppm.

Claim 29 (original): The niobium powder of claim 28, wherein said carbon amount is from about 50 to about 150 ppm.

Claim 30 (original): A niobium powder having a carbon amount of from about 40 to about 200 ppm when the BET surface area is about  $1.0 \text{ m}^2/\text{g}$  and a carbon amount of less than 250 ppm when the BET surface area of the niobium powder is from about 2 to about  $4.5 \text{ m}^2/\text{g}$  and the combined amount of Fe/Ni/Cr is less than 100 ppm when the BET surface area of the niobium powder is about  $1.0 \text{ m}^2/\text{g}$  and less than about 400 ppm when the BET surface area of the niobium powder is from about  $2.0 \text{ m}^2/\text{g}$  to about  $4.5 \text{ m}^2/\text{g}$ .

Claim 31 (original): A capacitor anode comprising the niobium powder of claim 28.

Claim 32 (original): A capacitor anode comprising the niobium powder of claim 29.

Claim 33 (original): A capacitor anode comprising the niobium powder of claim 30.

Claim 34-43 (cancelled)

Claim 44 (new): The niobium powder of claim 28, wherein said niobium powder is flaked.

Claim 45 (new): The niobium powder of claim 30, wherein said niobium powder is flaked.

Claim 46 (new): The niobium powder of claim 28, wherein said niobium powder has a BET surface area of from about  $1.0 \text{ m}^2/\text{g}$  to about  $4.5 \text{ m}^2/\text{g}$ .

Claim 47 (new): The niobium powder of claim 28, wherein said niobium powder has a BET surface area of at least  $0.15 \text{ m}^2/\text{g}$ .

Claim 48 (new): The niobium powder of claim 28, wherein said niobium powder further comprises oxygen, phosphorous, or both.

Claim 49 (new): The niobium powder of claim 28, wherein said niobium powder is

agglomerated.

Claim 50 (new): The niobium powder of claim 28, wherein said niobium powder is agglomerated and has a Scott density of less than about  $35 \text{ g/in}^3$ .

Claim 51 (new): The niobium powder of claim 28, wherein said niobium powder is unagglomerated and has a Scott density of less than about  $12 \text{ g/in}^3$ .

Claim 52 (new): The niobium powder of claim 28, wherein said niobium powder has a flow of greater than  $80 \text{ mg/s}$ .

Claim 53 (new): The niobium powder of claim 28, wherein after milling, the niobium powder has a flow of from about  $80 \text{ mg/s}$  to about  $500 \text{ mg/s}$ .

Claim 54 (new): The niobium powder of claim 28, wherein said niobium powder has a BET surface area of from about  $1 \text{ m}^2/\text{g}$  to about  $10.0 \text{ m}^2/\text{g}$ .

Claim 55 (new): The niobium powder of claim 28, wherein said niobium powder has a shape which is flake, angular, nodular, or mixtures thereof.

Claim 56 (new): The niobium powder of claim 28, wherein said niobium powder has a shape that is nodular.

Claim 57 (new): The niobium powder of claim 28, wherein said niobium powder has a BET surface area of from about  $6 \text{ m}^2/\text{g}$  to about  $15 \text{ m}^2/\text{g}$ .

Claim 58 (new): The niobium powder of claim 28, wherein said niobium powder has an oxygen content of about 2,000 ppm or below.

Claim 59 (new): The niobium powder of claim 28, wherein said niobium powder has an oxygen content of from about 2,000 ppm to about 60,000 ppm.

Claim 60 (new): The niobium powder of claim 28, wherein said niobium powder further comprises phosphorous in the amount of less than about 400 ppm.

Claim 61 (new): The niobium powder of claim 28, wherein said niobium powder comprises nitrogen.

Claim 62 (new): The niobium powder of claim 28, wherein said niobium powder comprises nitrogen in an amount of at least 300 ppm.

Claim 63 (new): The capacitor anode of claim 31, wherein said anode has a capacitance of at least about  $62,000 \text{ CV/g}$ .

Claim 64 (new): The capacitor anode of claim 31, wherein said anode has a capacitance of at least about 70,000 CV/g.

Claim 65 (new): The capacitor anode of claim 31, wherein said anode has a capacitance of from about 65,000 CV/g to about 250,000 CV/g.

Claim 66 (new): The capacitor anode of claim 31, wherein said anode is formed at a voltage of less than about 60 volts.

Claim 67 (new): The capacitor anode of claim 31, wherein said anode has a working voltage of from about 4 to about 16 volts.

Claim 68 (new): The capacitor anode of claim 31, wherein said anode has a DC Leakage of less than about 5.0 na/CV.

Claim 69 (new): The capacitor anode of claim 31, wherein said anode has a formation voltage of from about 50 to about 80 volts.

Claim 70 (new): The capacitor anode of claim 31, wherein said anode has a working voltage of from about 10 to about 20 volts.

Claim 71 (new): A hydrided niobium powder having a carbon content of from about 40 ppm to about 200 ppm and a iron, nickel, and chromium content of from about 5 ppm to about 200 ppm.

Claim 72 (new): The hydrided niobium powder of claim 71, wherein said carbon amount is from about 50 to about 150 ppm.

Claim 73 (new): The hydrided niobium powder of claim 71, wherein said niobium powder has a BET surface area of from about 1.0 m<sup>2</sup>/g to about 4.5 m<sup>2</sup>/g.

Claim 74 (new): The hydrided niobium powder of claim 71, wherein said niobium powder has a BET surface area of at least 0.15 m<sup>2</sup>/g.

Claim 75 (new): The hydrided niobium powder of claim 71, wherein said niobium powder further comprises oxygen, phosphorous, or both.

Claim 76 (new): The hydrided niobium powder of claim 71, wherein said niobium powder is agglomerated.

Claim 77 (new): The hydrided niobium powder of claim 71, wherein said niobium powder is agglomerated and has a Scott density of less than about 35 g/in<sup>3</sup>.

Claim 78 (new): The hydrided niobium powder of claim 71, wherein said niobium powder is unagglomerated and has a Scott density of less than about 12 g/in<sup>3</sup>.

Claim 79 (new): The hydrided niobium powder of claim 71, wherein said niobium powder has a flow of greater than 80 mg/s.

Claim 80 (new): The hydrided niobium powder of claim 71, wherein after milling, the niobium powder has a flow of from about 80 mg/s to about 500 mg/s.

Claim 81 (new): The hydrided niobium powder of claim 71, wherein said niobium powder has a BET surface area of from about 1 m<sup>2</sup>/g to about 10.0 m<sup>2</sup>/g.

Claim 82 (new): The hydrided niobium powder of claim 71, wherein said niobium powder has a shape which is flake, angular, nodular, or mixtures thereof.

Claim 83 (new): The hydrided niobium powder of claim 71, wherein said niobium powder has a shape that is nodular.

Claim 84 (new): The hydrided niobium powder of claim 71, wherein said niobium powder has a BET surface area of from about 6 m<sup>2</sup>/g to about 15 m<sup>2</sup>/g.

Claim 85 (new): The hydrided niobium powder of claim 71, wherein said niobium powder has an oxygen content of about 2,000 ppm or below.

Claim 86 (new): The hydrided niobium powder of claim 71, wherein said niobium powder has an oxygen content of from about 2,000 ppm to about 60,000 ppm.

Claim 87 (new): The hydrided niobium powder of claim 71, wherein said niobium powder further comprises phosphorous in the amount of less than about 400 ppm.

Claim 88 (new): The hydrided niobium powder of claim 71, wherein said niobium powder comprises nitrogen.

Claim 89 (new): The hydrided niobium powder of claim 71, wherein said niobium powder comprises nitrogen in an amount of at least 300 ppm.